

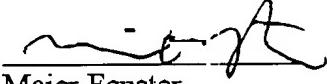
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REMARKS

The present application is a US national application of PCT application PCT/IL99/00521 filed October 01, 1999. The present amendment is based on the claims as originally filed. The claims have been amended to remove multiple dependencies.

All the claims have been allowed in the IPER. A notice of allowance is respectfully requested.

Respectfully submitted,
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Indication of amended claims

11.(Amended) A method according to claim 8~~any of claims~~ 8-10, wherein said acoustic signal comprises an ultrasonic signal.

12.(Amended) A method according to claim 1~~any of claims~~ 1,2,3,5 or 8-10, wherein said computer comprises a PDA, personal digital assistant.

13.(Amended) A method according to claim 1~~any of claims~~ 1,2,3,5 or 8-10, wherein said computer comprises a portable computer.

14.(Amended) A method according to claim 1~~any of claims~~ 1,2,3,5 or 8-10, wherein said computer comprises a desk-top computer.

15.(Amended) A method according to claim 1~~any of claims~~ 1,2,3,5 or 8-10, comprising processing said at least one sound by said computer.

28.(Amended) A method according to claim 5 or claim 6, wherein said electronic device comprises a wireless communication device.

32.(Amended) A method according to claim 1~~any of claims~~ 1-10 or 31, wherein said information comprises programming information.

34.(Amended) A method according to claim 1~~any of claims~~ 1-10, wherein said source comprises a toy.

36.(Amended) A method according to claim 1~~any of claims~~ 1-10, wherein said source comprises a smart card.

37.(Amended) A method according to claim 1~~any of claims~~ 1-10, wherein said source comprises a wireless communication device.

38.(Amended) A method according to ~~claim 1-any of claims 1-10~~, wherein said source comprises a computer.

39.(Amended) A method according to ~~claim 1-any of claims 1-10~~, wherein said source comprises a computer peripheral.

40.(Amended) A method according to ~~claim 1-any of claims 1-10~~, wherein said information comprises personal information.

41.(Amended) A method according to ~~claim 1-any of claims 1-10~~, comprising logging into a computer system responsive to said at least transmitted signal.

42.(Amended) A method according to ~~claim 1-any of claims 1 or 6-10~~, comprising transmitting at least a second acoustical signal responsive to said received at least one signal.

43.(Amended) A method according to ~~claim 2-any of claims 2 or 5-10~~, wherein said acoustic signal comprises human audible sound.

45.(Amended) A method according to ~~claim 2-any of claims 2 or 5-10~~, wherein said sound has a main frequency which is infra-sonic.

46.(Amended) A method according to ~~claim 1-any of claims 1-10~~, wherein said information is encoded using below human-threshold amplitude signals.

47.(Amended) A method according to ~~claim 1-any of claims 1-10~~, wherein said information is encoded using below human-threshold amplitude variations.

48.(Amended) A method according to ~~claim 1-any of claims 1-10~~, wherein said sound is generated at a frequency outside a normal operating frequency for said sound subsystem.

49.(Amended) A method according to claim 1 ~~any of claims 1-10~~, wherein said sound subsystem is designed for generating musical sounds.

50.(Amended) A method according to claim 1 ~~any of claims 1-10~~, wherein said sound subsystem comprises a sound card.

52.(Amended) A method according to claim 1 ~~any of claims 1-10~~, wherein said sound sub-system is designed for audible sound communication with a human operator.

53.(Amended) A method according to claim 1 ~~any of claims 1, 3 or 4~~, wherein said ultrasonic signal has a main frequency below 50kHz.

54.(Amended) A method according to claim 1 ~~any of claims 1, 3 or 4~~, wherein said ultrasonic signal has a main frequency below 35kHz.

55.(Amended) A method according to claim 1 ~~any of claims 1, 3 or 4~~, wherein said ultrasonic signal has a main frequency below 25kHz.

56.(Amended) A method according to claim 1 ~~any of claims 1, 3 or 4~~, wherein said ultrasonic signal has a main frequency of about 21kHz.

57.(Amended) A method according to claim 1 ~~any of claims 1, 3 or 4~~, wherein said ultrasonic signal has a main frequency of about 20kHz.

58.(Amended) A method according to claim 1 ~~any of claims 1, 3 or 4~~, wherein said ultrasonic signal has a main frequency of about 19kHz.

59.(Amended) A method according to claim 1 ~~any of claims 1, 3 or 4~~, wherein said ultrasonic signal has a main frequency of below 18kHz.

63.(Amended) A method according to claim 60 ~~any of claims 60-62~~, wherein loading a smart-card terminal software comprises downloading the software over an Internet.

64.(Amended) A method according to claim 60 ~~any of claims 60-62~~, wherein said acoustic waves comprise ultrasonic waves.

65.(Amended) A method according to claim 60 ~~any of claims 60-62~~, wherein said smart-card comprises a memory for storing a monetary balance.

66.(Amended) A method according to claim 60 ~~any of claims 60-62~~, wherein said software encrypts information encoded by said transmitted acoustic waves.

67.(Amended) A method according to claim 60 ~~any of claims 60-62~~, wherein said smart card comprises a memory for storing identification information for a card owner.

68.(Amended) A method according to claim 60 ~~any of claims 60-62~~, wherein said smart card comprises a processor for analyzing information received from said computer and for generating a response to said computer.

75.(Amended) A method according to claim 72 ~~any of claims 72-74~~, wherein said computer component comprises a speaker.

76.(Amended) A method according to claim 72 ~~any of claims 72-74~~, wherein said electromagnetic field has a main AC frequency of between 10 kHz and 100 kHz.

80.(Amended) A method according to claim 77 ~~any of claims 77-79~~, wherein said electromagnetic field is a side-effect of driving a speaker.

81.(Amended) A method according to claim 77 ~~any of claims 77-79~~, wherein said electromagnetic field is a side-effect of driving a speaker.

82.(Amended) A method according to claim 77 ~~any of claims 77-79~~, wherein said electromagnetic field has a main AC frequency of between 10 kHz and 100 kHz.

91.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said analyzing comprises analyzing on a computer separate from a circuitry used for acquiring said signals.

92.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said signals are generated by said device responsive to an interrogation by a second device which performs said receiving.

94.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said signals are generated by said device independent of an interrogation by a second device.

95.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said signals are sonic.

96.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said signals are ultrasonic.

97.(Amended) A method according to claim 87 ~~any of claims 87-90~~, comprising programming an existing device to generate said signals using an existing speaker which, when the device was designed, was not designated for communication with a second device.

100.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said electronic device comprises a computer.

101.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said electronic device comprises a network hub.

102.(Amended) A method according to claim 87 ~~any of claims 87-90~~, wherein said electronic device comprises a network switch.

103.(Amended) A method according to claim 87~~any of claims 87-90~~, wherin said electronic device comprises a network router.

106.(Amended) A method according to claim 104~~or claim 105~~, wherein said receiving comprises receiving using a microphone connected to a sound card of said computer, which sound card is designed for audio applications.

113.(Amended) A peripheral according to claim 110~~any of claims 110-112~~, wherein said processing comprises merely of converting the signals from an acoustic encoding format to a format suitable for said display.

114.(Amended) A peripheral according to claim 110~~any of claims 110-112~~, wherein said processing comprises processing the information encoded by said transmissions.

115.(Amended) A peripheral according to claim 110~~any of claims 110-112~~, wherein said electronic device comprises a computer.

116.(Amended) A peripheral according to claim 110~~any of claims 110-112~~, wherein said electronic device comprises a radio.

117.(Amended) A peripheral according to claim 110~~any of claims 110-112~~, wherein said peripheral comprises a speaker for said electronic device.

118.(Amended) A peripheral according to claim 110~~any of claims 110-112~~, wherein said peripheral comprises a time display which presents a time signal generated by said electronic device.

119.(Amended) A peripheral according to claim 110~~any of claims 110-112~~, wherein said peripheral comprises a status display which presents a status signal generated by said electronic device.

122.(Amended) A peripheral according to claim 120~~or claim 121~~, wherein said input element comprises a bar-code reader.

123.(Amended) A peripheral according to claim 120-~~or claim 121~~, wherein said input element comprises a smart card reader.

124.(Amended) A peripheral according to claim 120-~~or claim 121~~, wherein said input element comprises a pointing device.

125.(Amended) A peripheral according to claim 120-~~or claim 121~~, wherein said input element comprises a keyboard.

137.(Amended) A method according to claim 135-~~or claim 136~~, wherein said network comprises an Internet.

143.(Amended) A method according to claim 141-~~or claim 142~~, wherein estimating comprises estimating based on an expected communication geometry.

144.(Amended) A method according to claim 141-~~or claim 142~~, wherein estimating comprises estimating a duration based on at least one acoustic calibration generated adjacent to said data transmission.